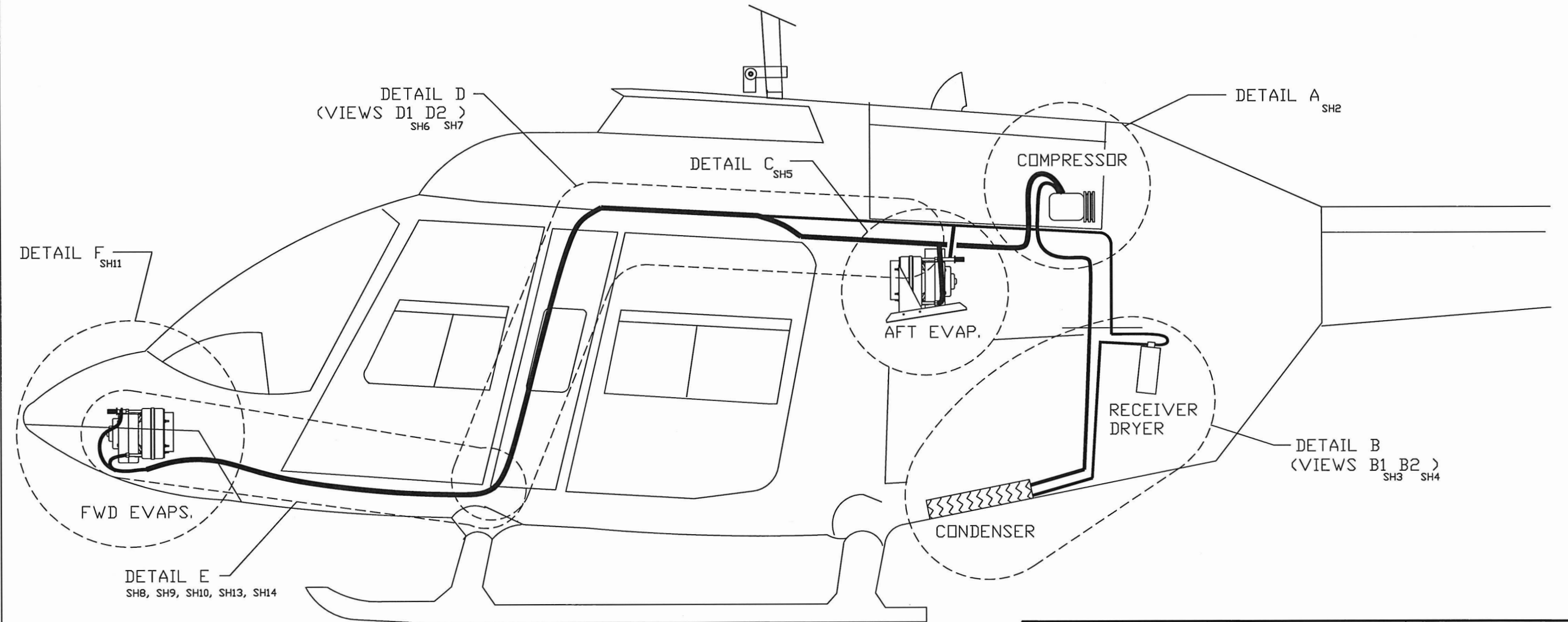


- 1. PREPARE AREA AND INSTALL PER BHT-ALL-SPM CH. 7 OR BHT-ALL-SRM CH. 3 AS APPLICABLE
- 2. ENSURE PROPER EDGE DISTANCE PER BHT-ALL-SPM AND BHT-ALL SRM AS APPLICABLE
- 3. INSTALL DRYER GROUND TO EXISTING TOOLING HOLE BEFORE DRYER BOTTLE INSTALL
- 4. PRECLEAN ALL MATING SURFACES OF ATTACHMENT HARDWARE AND PLATE PER BHT-ALL-SPM. SEAL USING ADHESIVE SEALANT 299-947-107, TYPE III CLASS 7, OR MIL-S-8802, CLASS B2.

SHEET	REV	ECO	DATE	DESCRIPTION	BY	CHK	APR
ALL	N/C		03/19/20	INITIAL RELEASE	DT	LS	ZA
2,BOM	A		01/21/22	ADDED ALT MS OR AS STANDARD P/NS TO ITEMS 27-43, 89, 90, AND 111. CORRECTED ITEM 123 P/N. REMOVED ITEM 70.	DT	ZA	DT
BOM	B		03/24/22	ITEM #23 P/N NOW ES45011-1.	DT	DT	DT



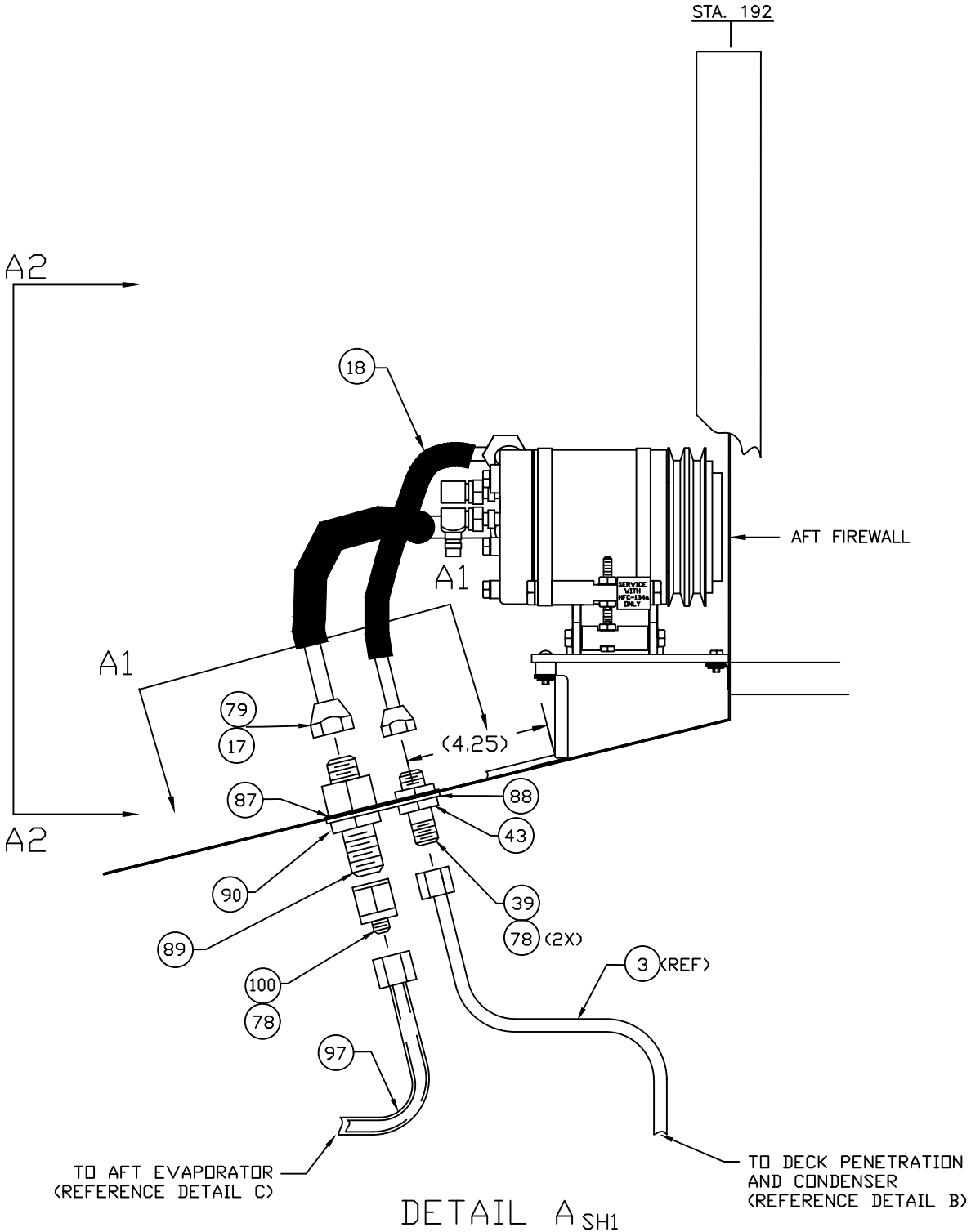
-1 INSTALLATION

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PROTO

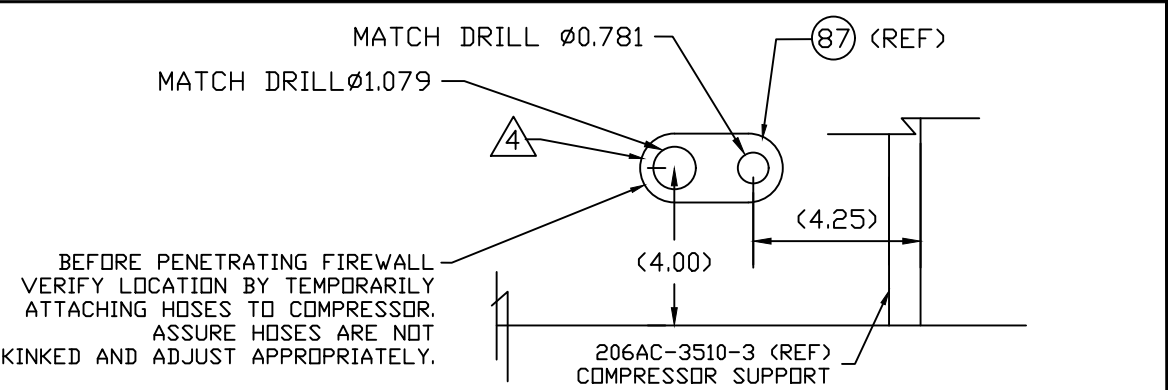
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Paravion® Technology Inc.		TITLE AIR CONDITIONING PLUMBING			DRAWING NO. 407AC-511		
DIMENSIONS IN INCHES		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B	ECO
TOLERANCES EXCEPT WHERE NOTED:						SHEET 1 OF 15	
.X = ± .1							
.XX = ± .05							
.XXX = ± .010							
ANGLES = ± 1°		© 2022 PARAVION TECH., INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY, INC.					

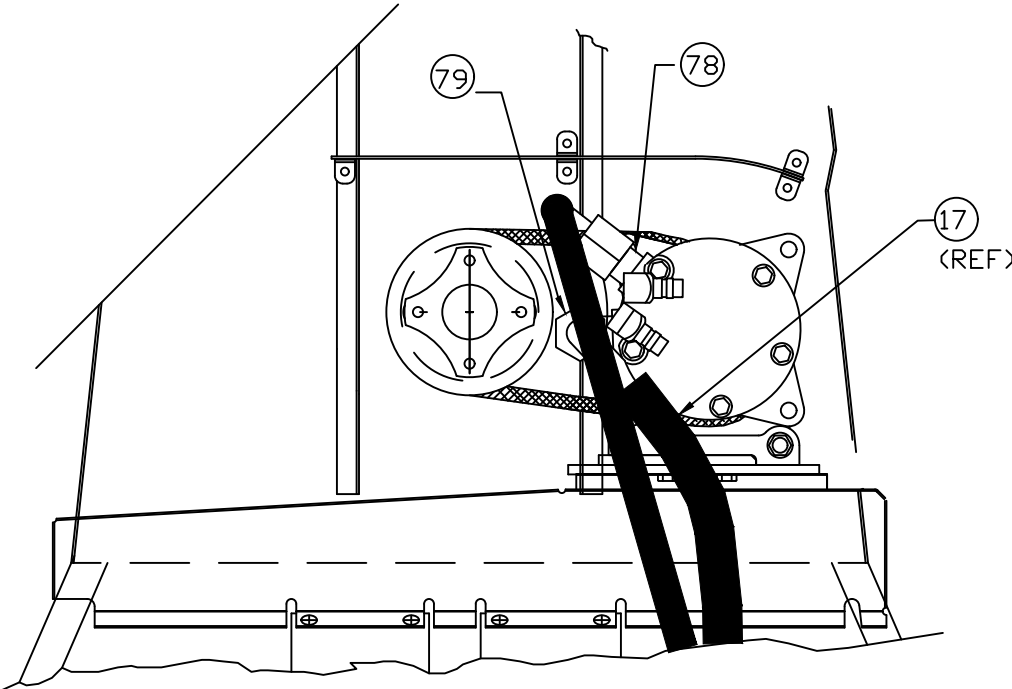


-1 INSTALLATION

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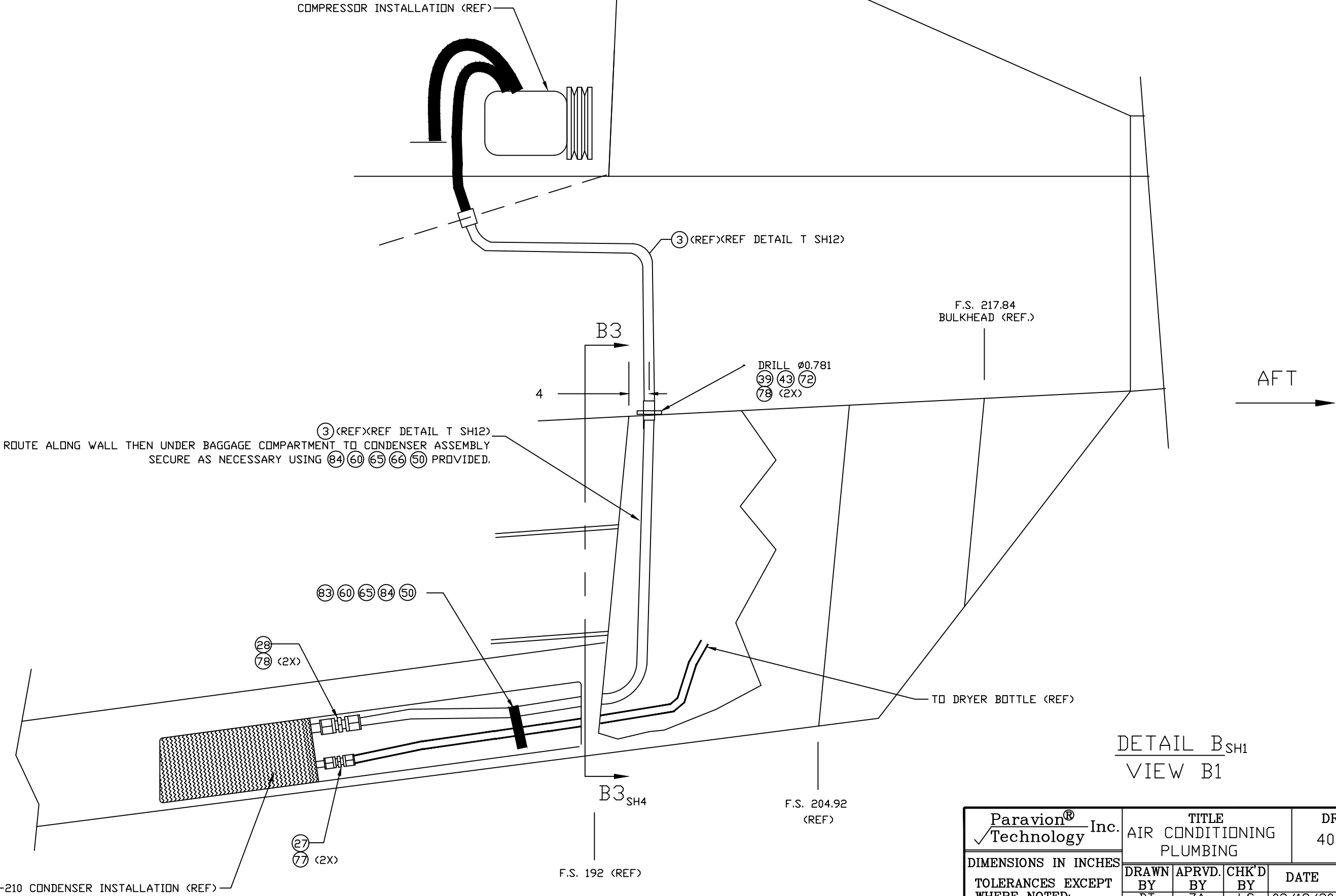
VIEW A1-A1
TOP VIEW SHOWING
LOCATION OF STIFFENERS



VIEW A2-A2

PROTO	N/C	DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°	Paravion® Inc. ✓Technology		TITLE AIR CONDITIONING PLUMBING		DRAWING NO. 407AC-511	
			DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B	ECO
			DO NOT SCALE DRAWING					SHEET 2 OF 15

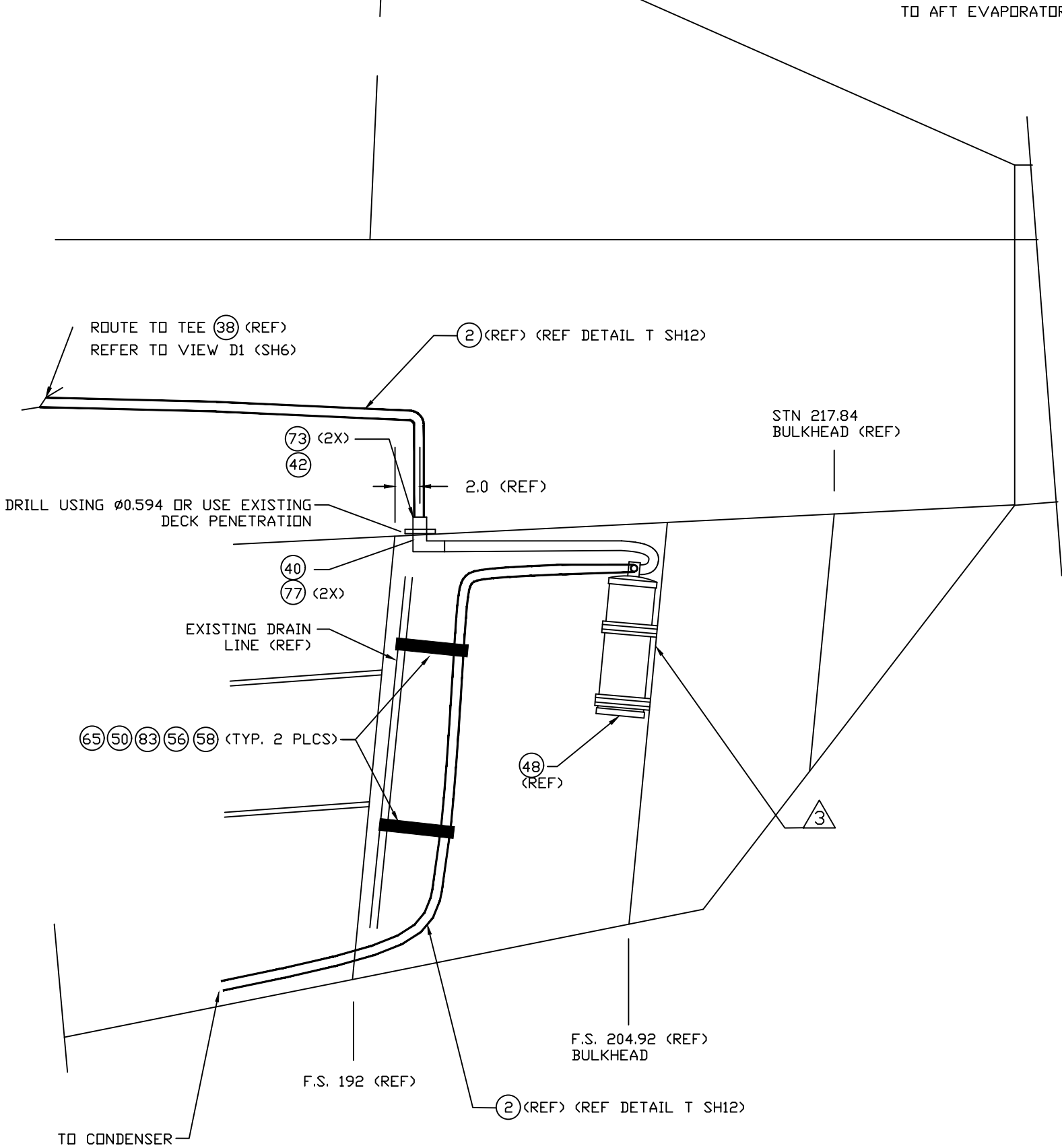
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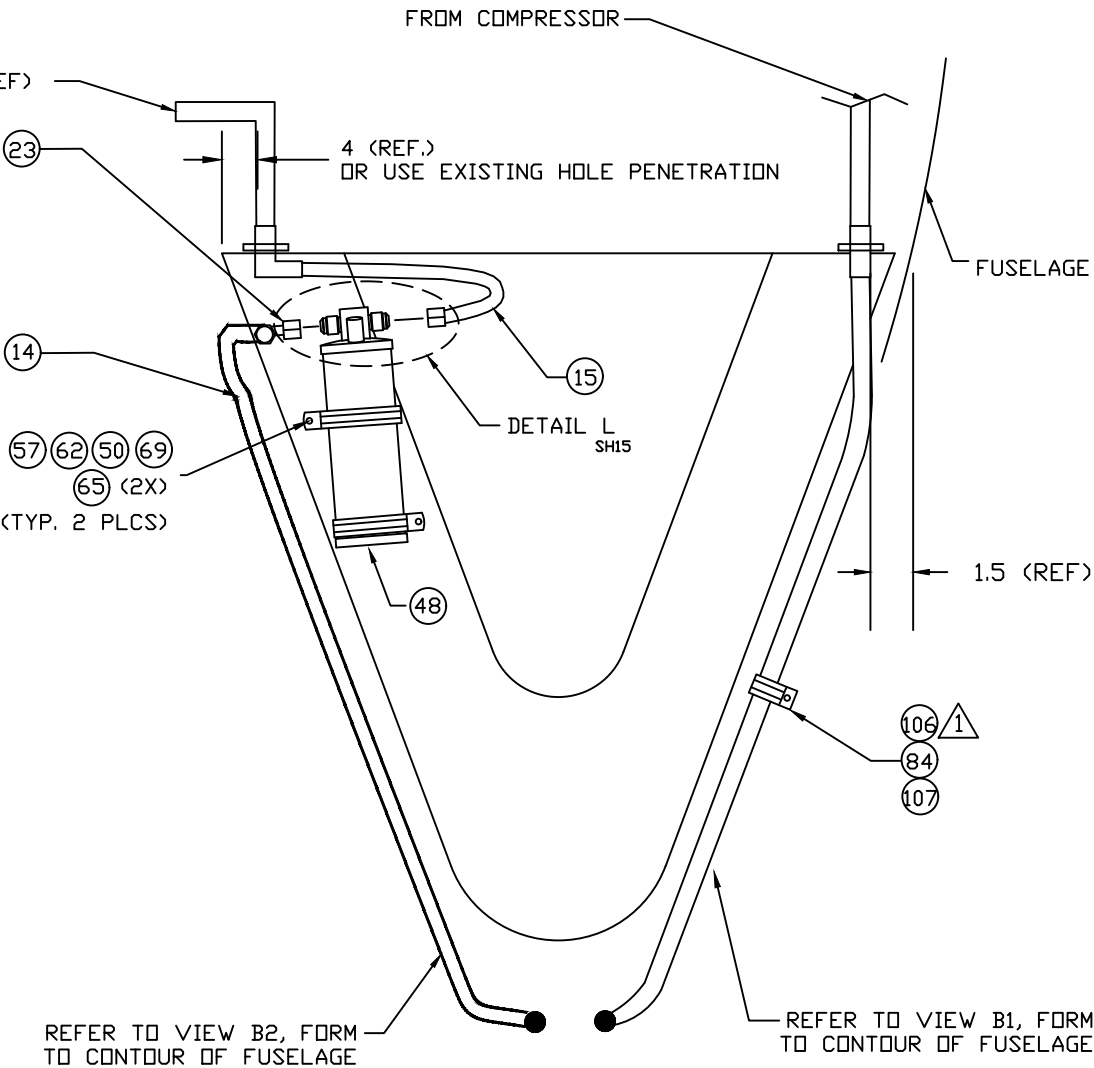
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PROTO
N/C

Paravion® ✓Technology Inc.	TITLE AIR CONDITIONING PLUMBING				DRAWING NO. 407AC-511	
	DIMENSIONS IN INCHES					
TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°	DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B	ECO
	DO NOT SCALE DRAWING				SHEET	
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DETAIL B_{SH1}
VIEW B2

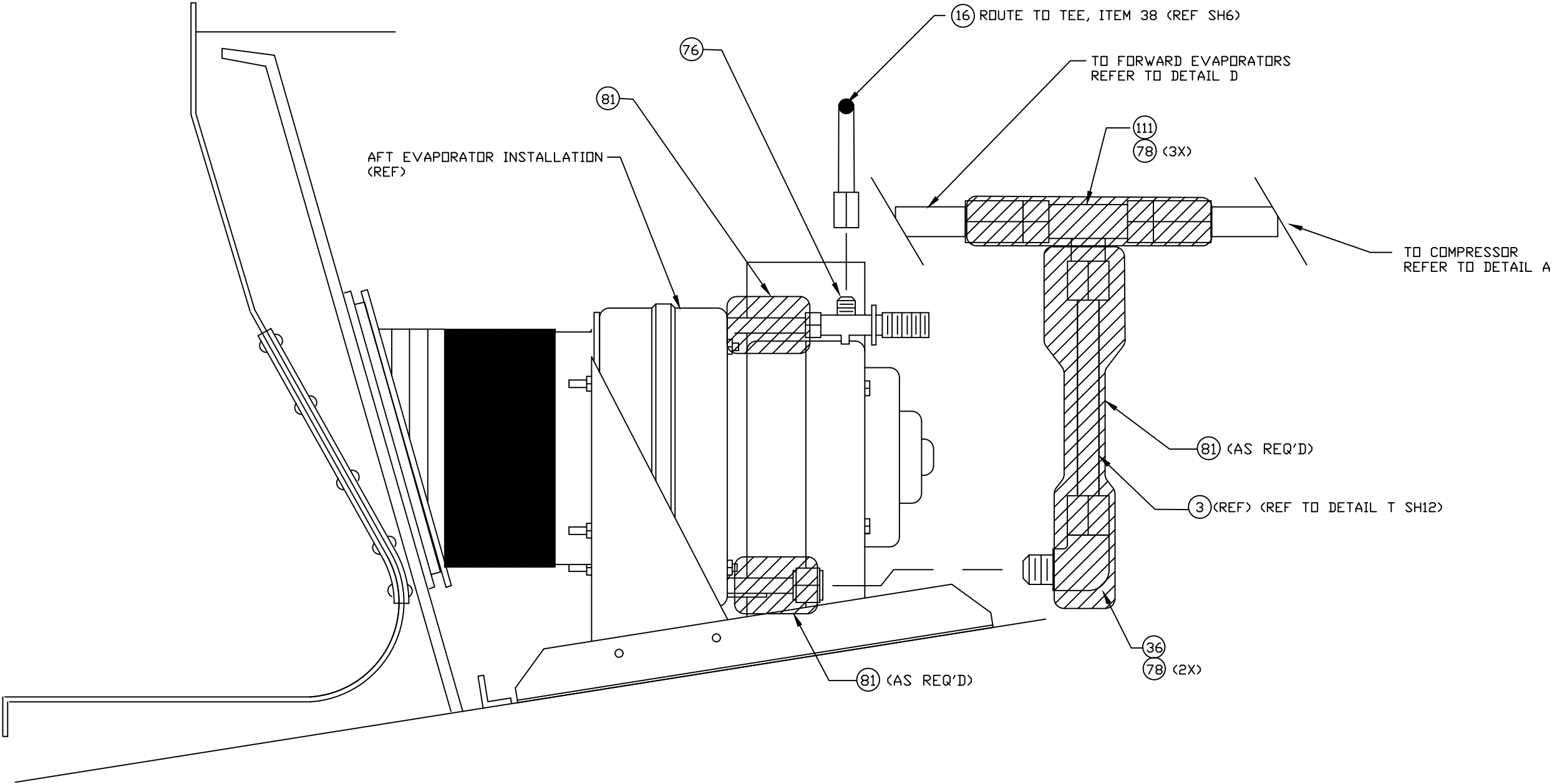


VIEW B3-B3_{SH3}
LOOKING AFT AT STA. 204.92

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PROTO
N/C

Paravion® Inc. Technology		TITLE AIR CONDITIONING PLUMBING		DRAWING NO. 407AC-511	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20
.X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DO NOT SCALE DRAWING		REV B	ECO
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-1 INSTALLATION

DETAIL C_{SH1}

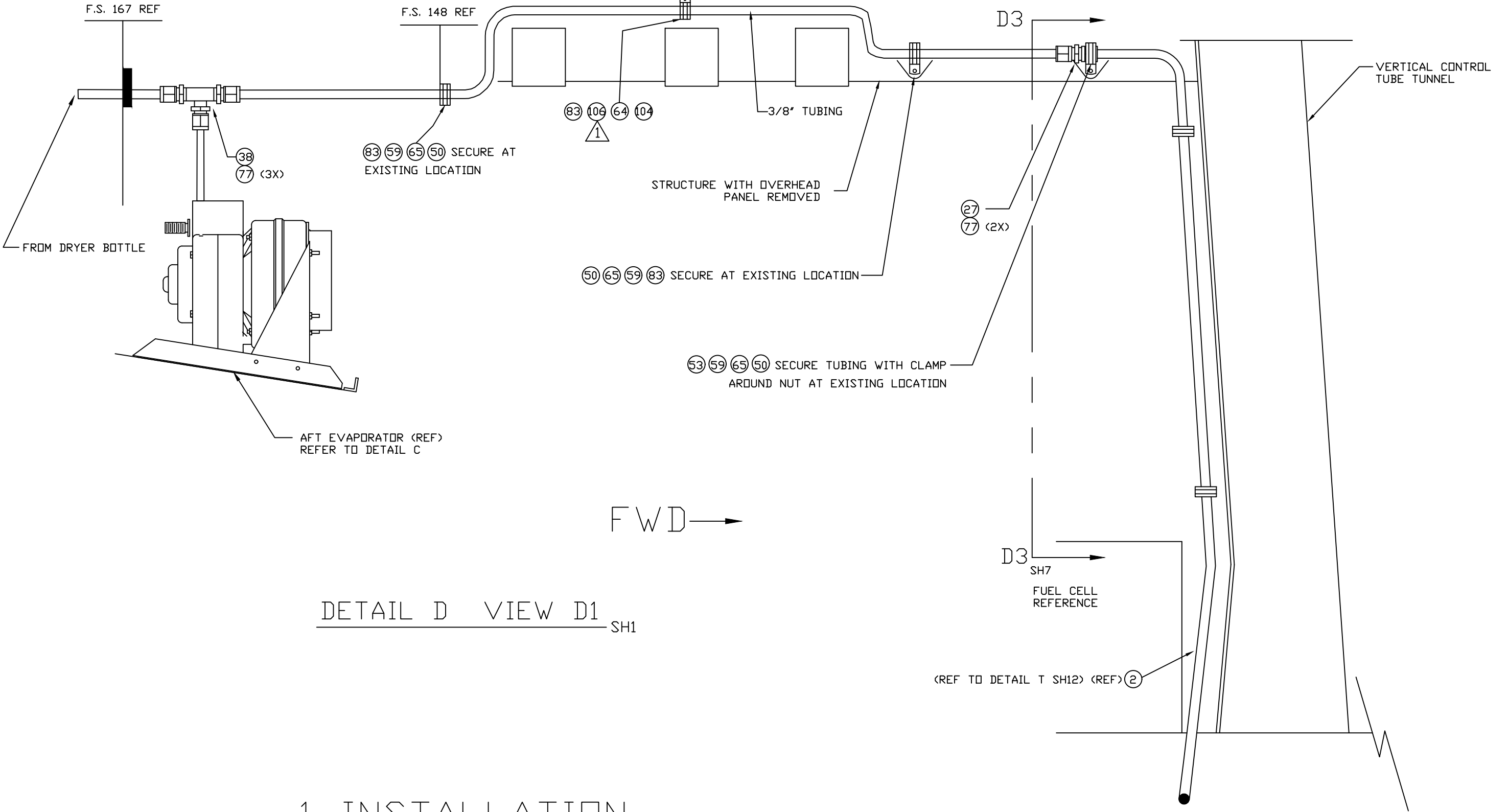
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PROTO

N/C

Paravion® Technology Inc.		TITLE AIR CONDITIONING PLUMBING			DRAWING NO. 407AC-511		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B	ECO
		DO NOT SCALE DRAWING				SHEET 5 OF 15	
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.XXX = ± .010
ANGLES = ± 1°



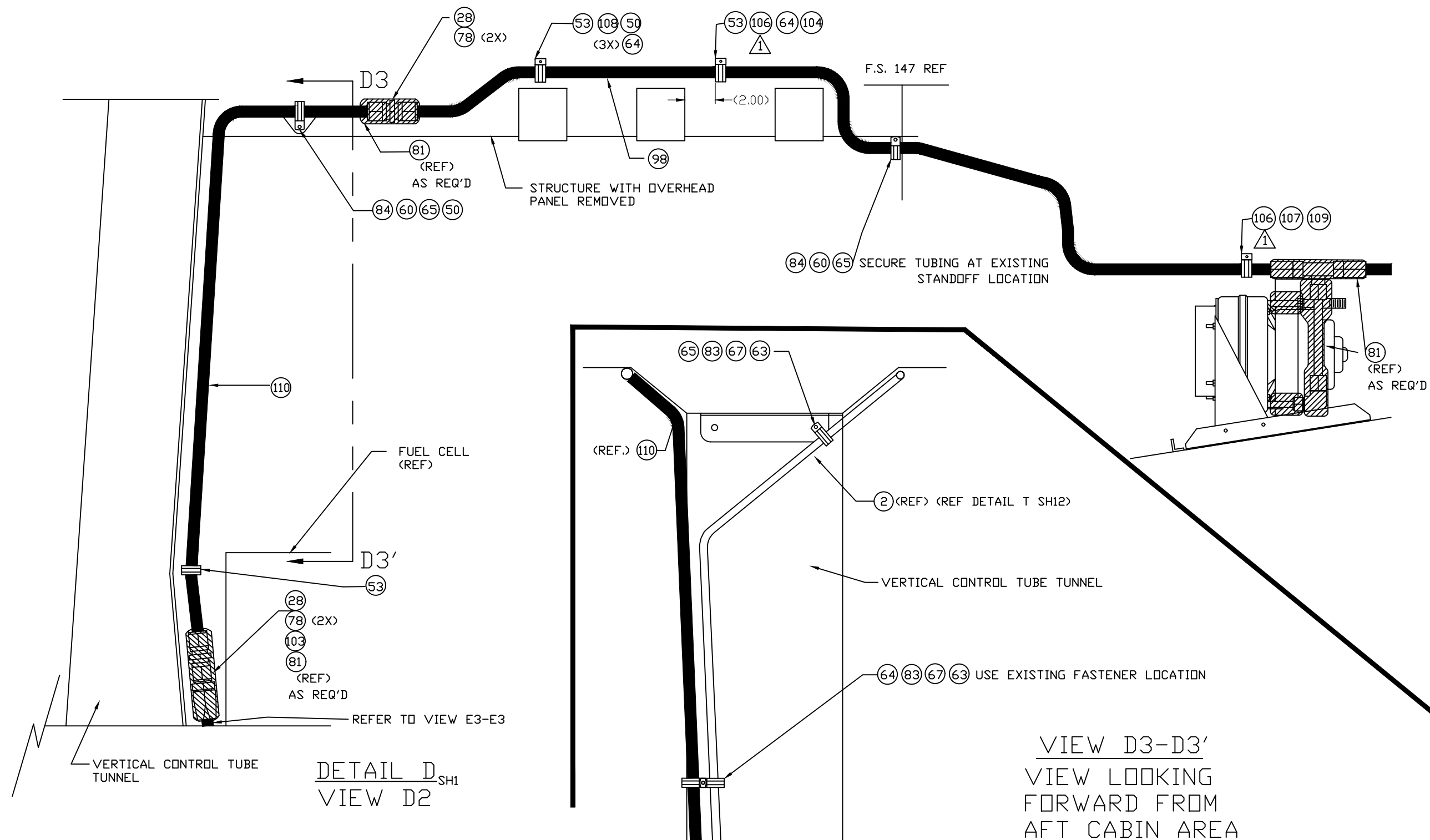
DETAIL D VIEW D1 SH1

-1 INSTALLATION
VIEW OF AFT CABIN INTERIOR LOOKING
FROM RIGHT SIDE OF AIRCRAFT

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PROTO
N/C

Paravion® Inc. Technology		TITLE AIR CONDITIONING PLUMBING			DRAWING NO. 407AC-511		
DIMENSIONS IN INCHES		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B	ECO
TOLERANCES EXCEPT WHERE NOTED:		DO NOT SCALE DRAWING				SHEET 6 OF 15	
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-1 INSTALLATION
VIEW OF AFT INTERIOR
LOOKING FROM LEFT
SIDE OF AIRCRAFT

← FWD

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PROTO

N/C

Paravion®
Technology Inc.

DIMENSIONS IN INCHES
TOLERANCES EXCEPT
WHERE NOTED:

.X = $\pm .1$
 .XX = $\pm .05$
 .XXX = $\pm .010$
 ANGLES = $\pm 1^\circ$

	TITLE
3.	AIR CONDITIONING PLUMBING

S	DRAWN
	BY
	DT

APRVD.
BY
ZA

CHK'D
BY
LS

DATE
03/19/20

REV
B

ECO

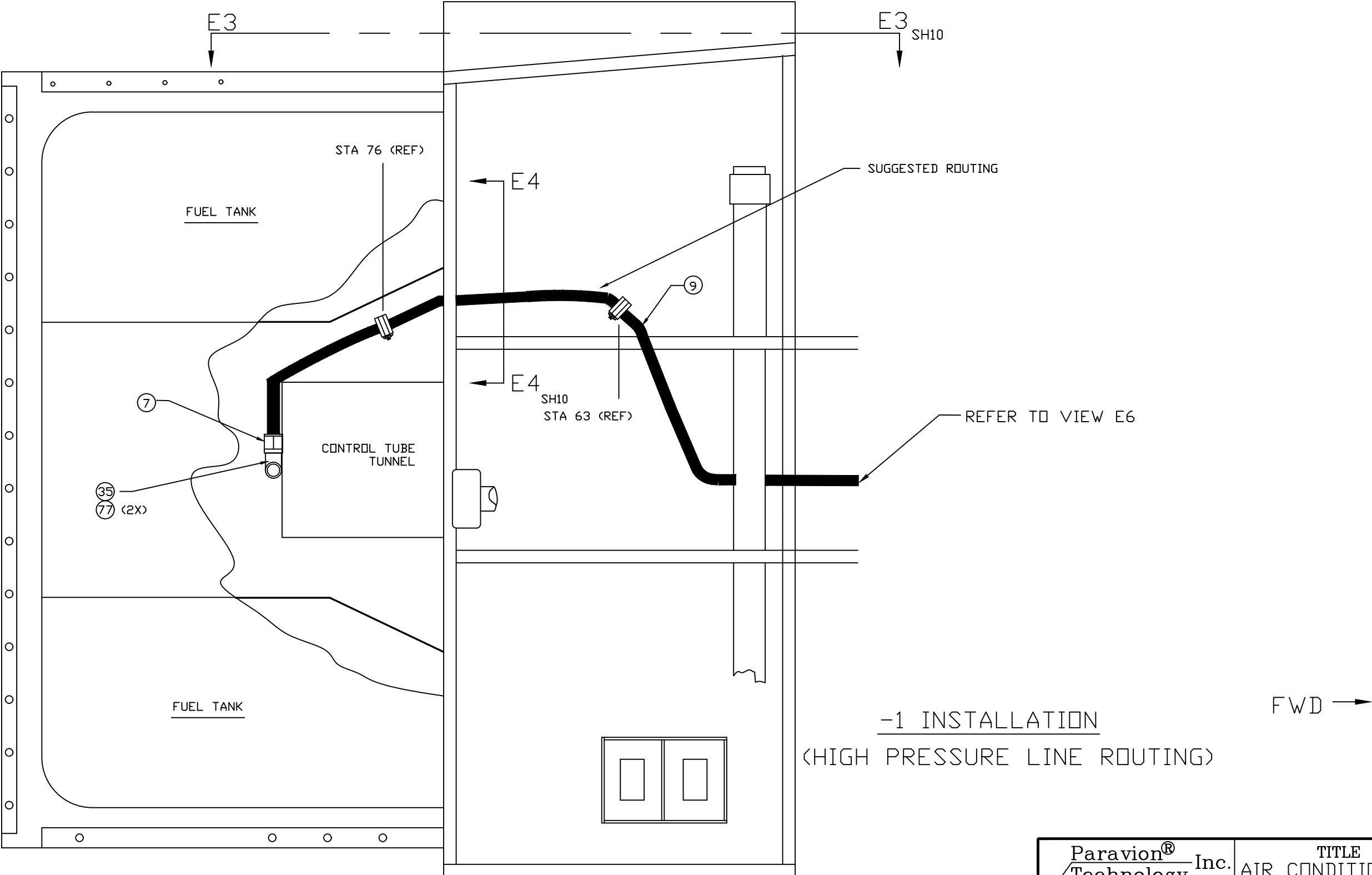
DO NOT SCALE DRAWING

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SHEET

7 OF 15

DRAWING NO.
407AC-511



DETAIL E_{SH1}
TOP VIEW OF CENTER AND
FORWARD CABIN SEAT BOX

F.S. 57 (REF)

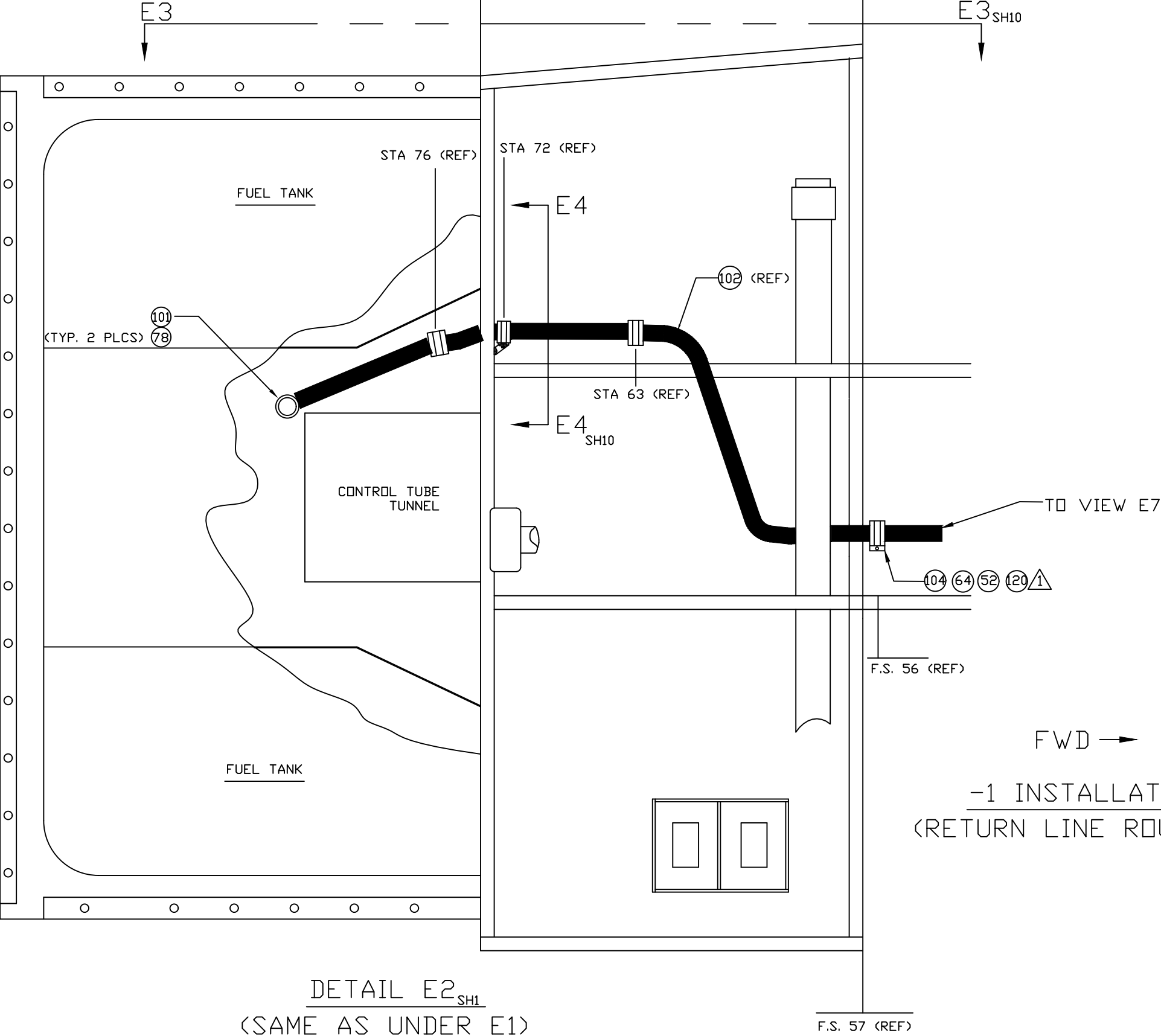
BREAK ALL SHARP EDGES

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PROTO

N/C

Paravion® Technology Inc.		TITLE AIR CONDITIONING PLUMBING				DRAWING NO. 407AC-511	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B	ECO
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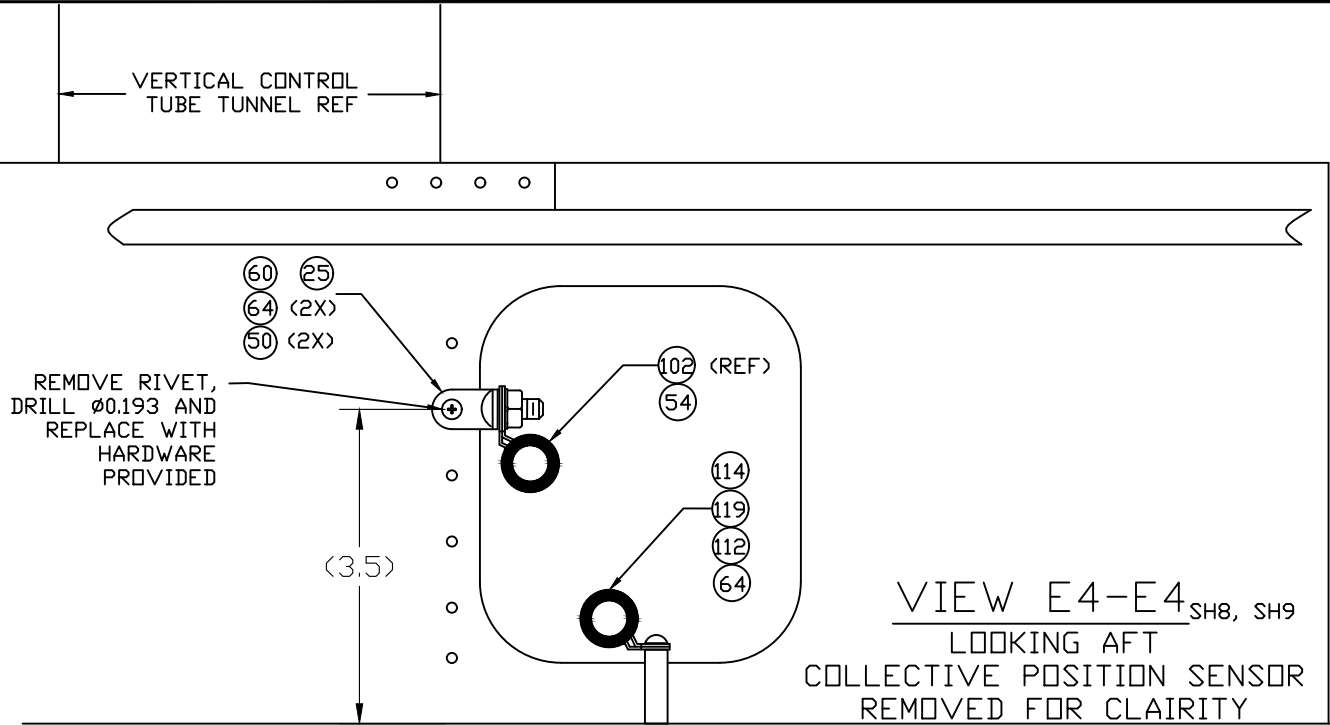
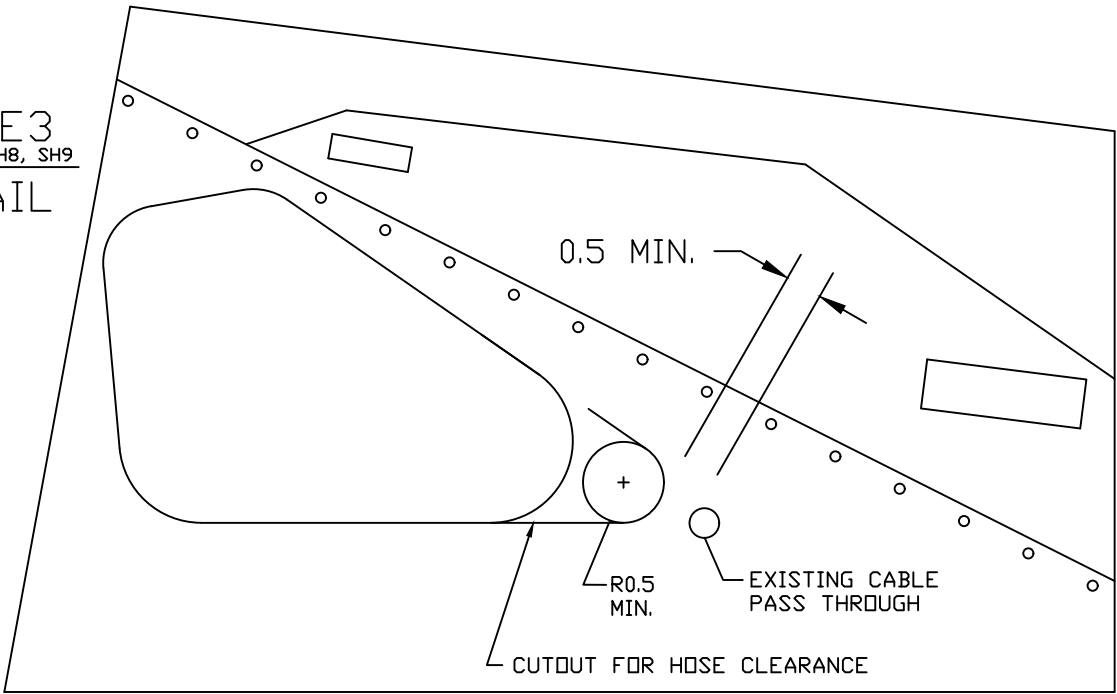
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PROTO
N/C

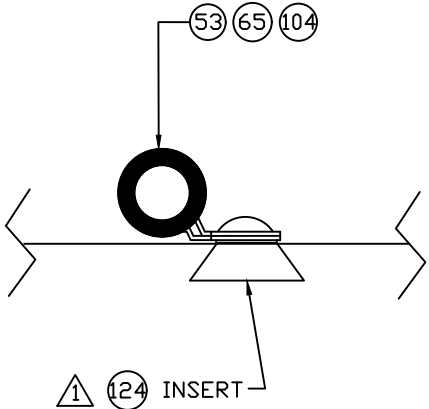
Paravion® Technology Inc.		TITLE AIR CONDITIONING PLUMBING			DRAWING NO. 407AC-511	
DIMENSIONS IN INCHES		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B
TOLERANCES EXCEPT WHERE NOTED:		DO NOT SCALE DRAWING			SHEET 9 OF 15	
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SECTION E3-E3_{SH8, SH9}
CUTOUT DETAIL

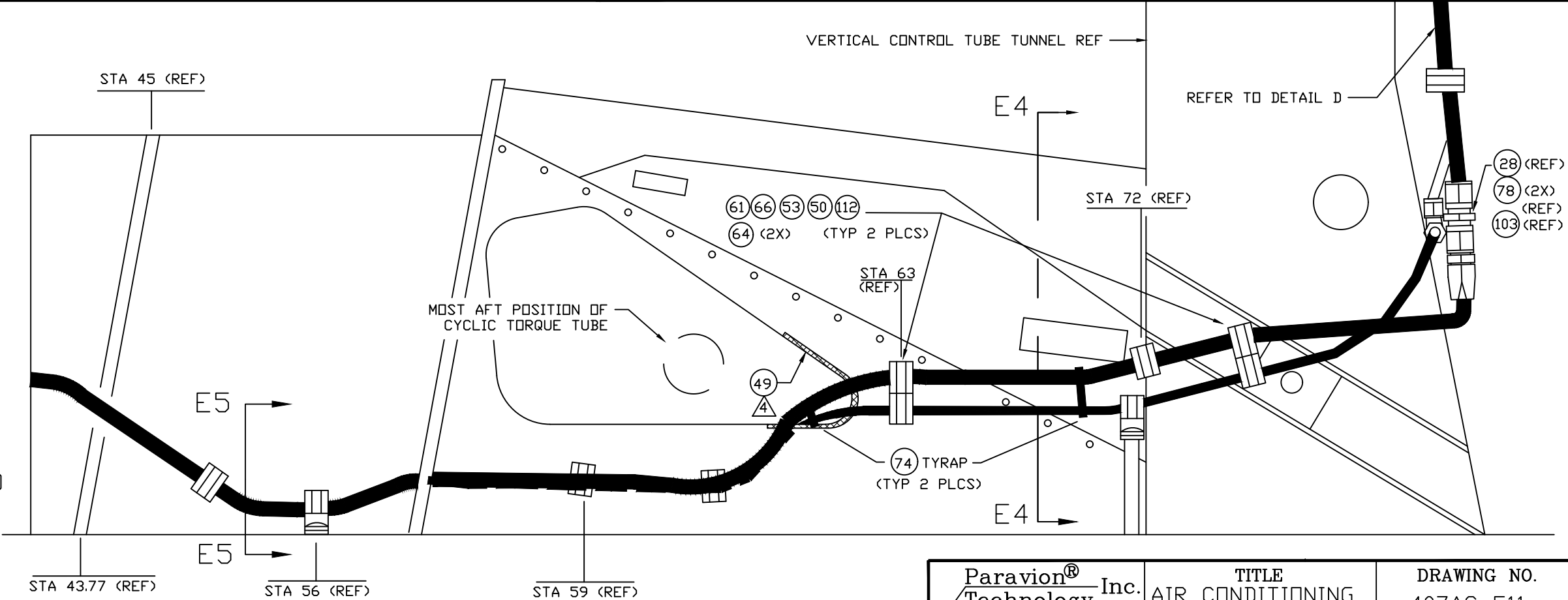
FWD



VIEW E5-E5



FWD



-1 INSTALLATION

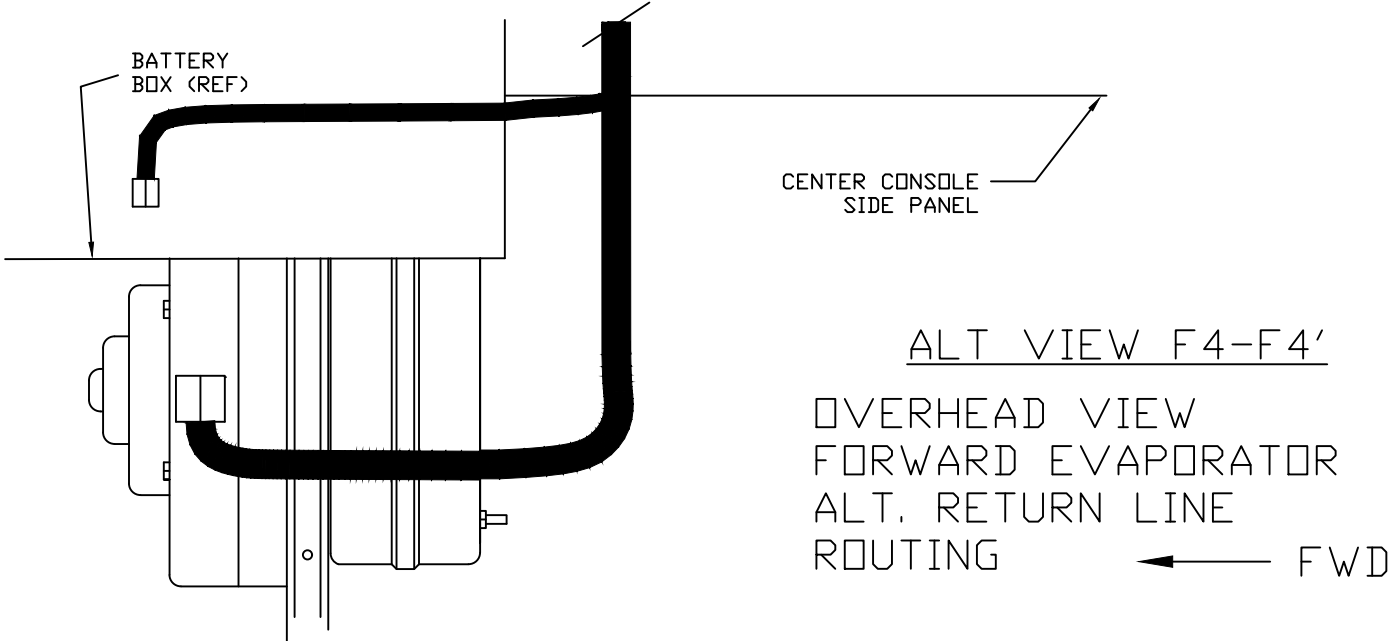
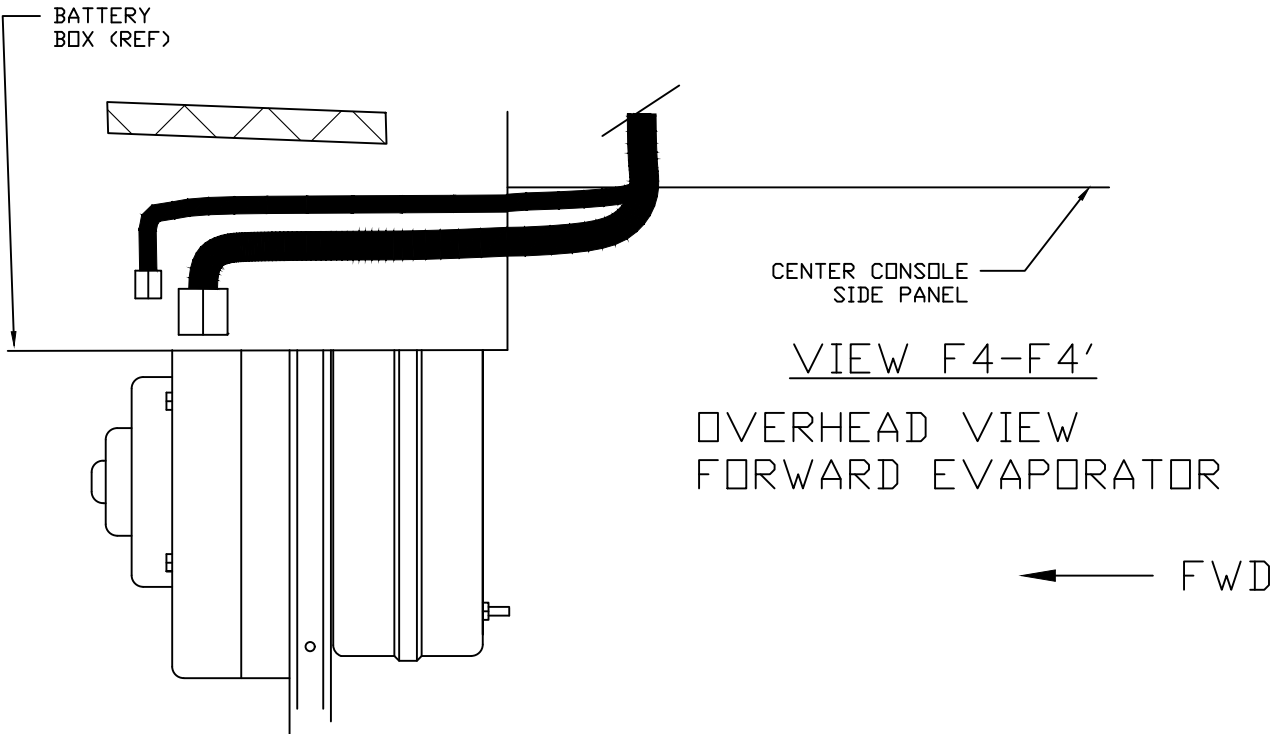
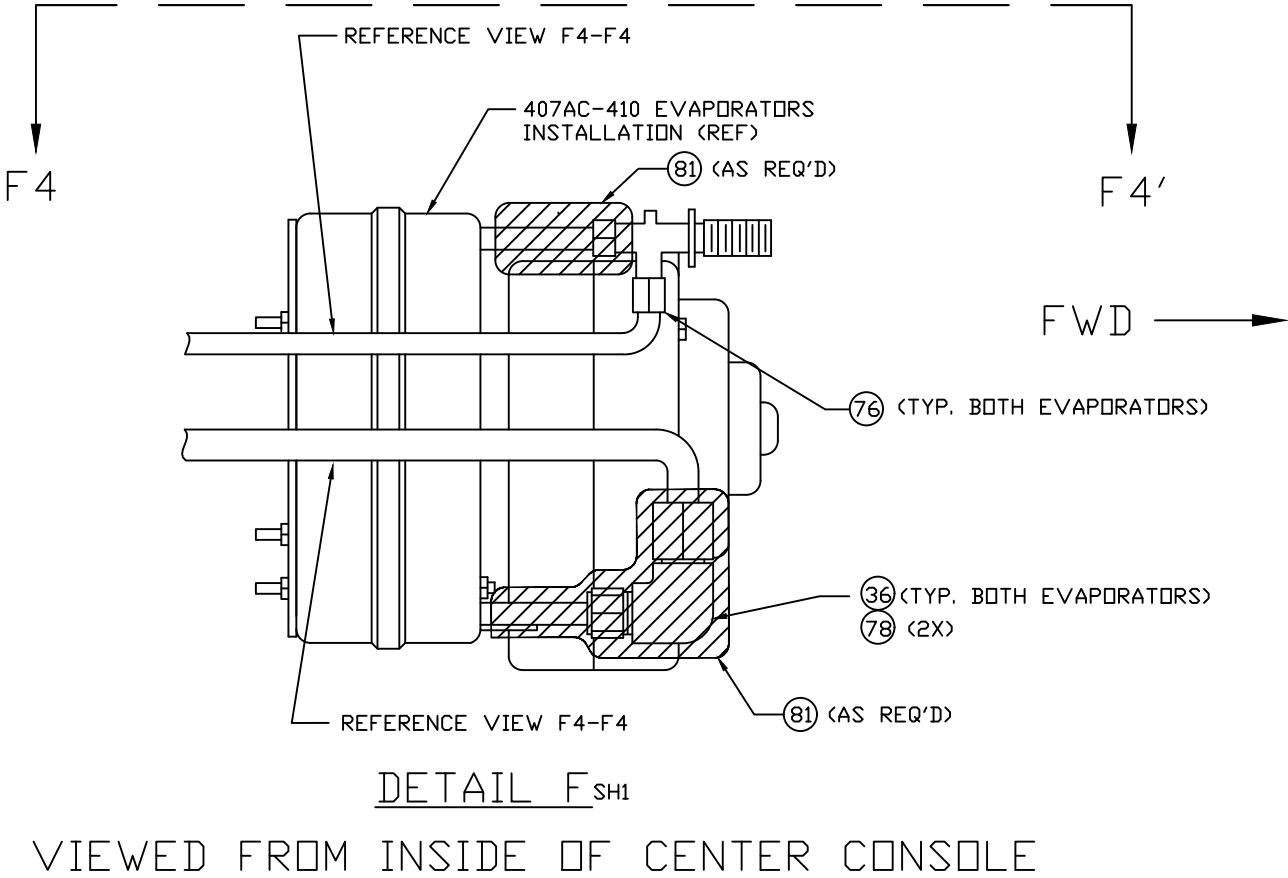
SECTION E3-E3_{SH8, SH9}
VIEW OF CENTER CONSOLE
AND SEAT BOX STRUCTURE
FROM LEFT HAND SIDE

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PROTO

N/C

Paravion® Technology Inc.		TITLE AIR CONDITIONING PLUMBING		DRAWING NO. 407AC-511		
DIMENSIONS IN INCHES		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B
TOLERANCES EXCEPT WHERE NOTED:		DO NOT SCALE DRAWING				ECO
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.XX = ± .05						
.XXX = ± .010						
ANGLES = ± 1°						

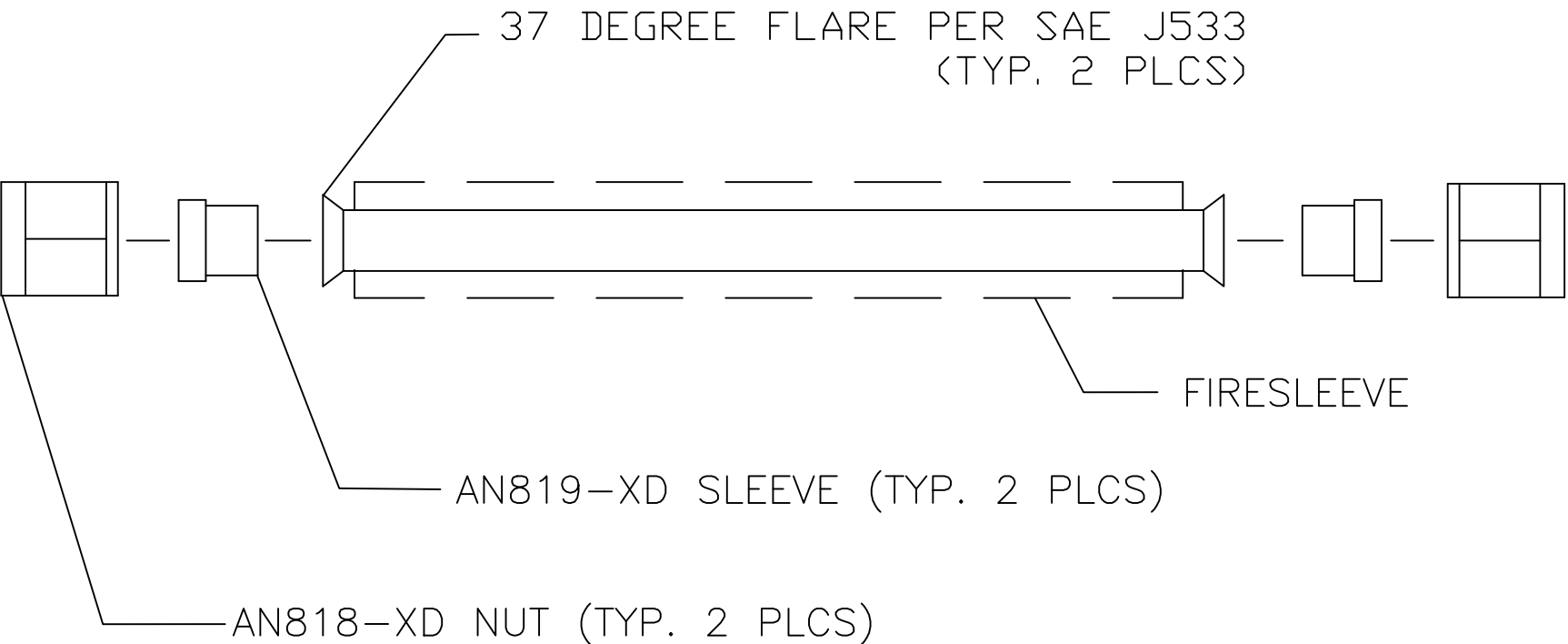


-1 INSTALLATION
DETAIL F

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PROTO
N/C

Paravion® Inc. ✓Technology		TITLE AIR CONDITIONING PLUMBING			DRAWING NO. 407AC-511	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B
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DETAIL T: REFRIGERANT-LINE TUBING CONSTRUCTION

REFRIGERANT LINE COMPONENTS:

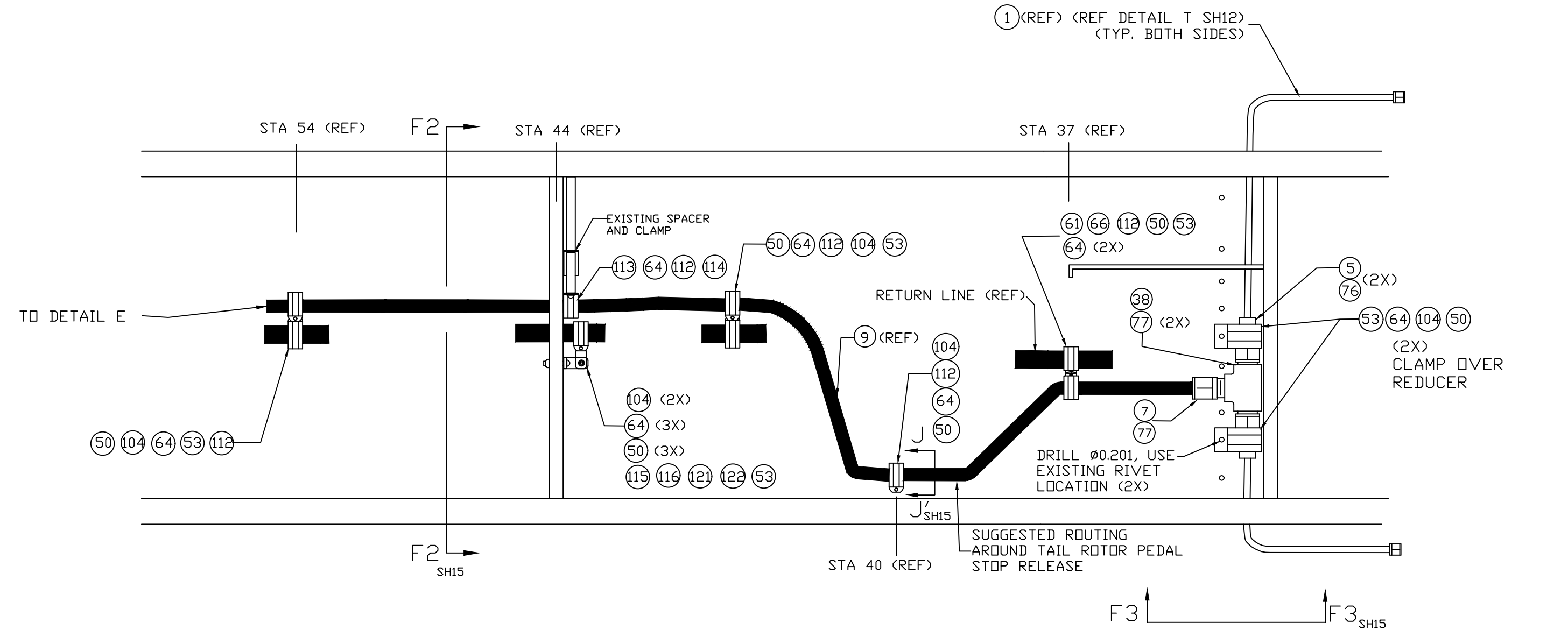
MIN. BEND RADIUS	TUBING	SLEEVE	NUT	FIRESLEEVE
R1.50	(3)	(34)	(31)	(123)
R1.00	(2)	(33)	(30)	NONE
R1.00	(1)	(32)	(29)	NONE

BREAK ALL SHARP EDGES

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PROTO
N/C

<div>Paravion® Technology Inc.</div>		TITLE AIR CONDITIONING PLUMBING		DRAWING NO. 407AC-511	
DIMENSIONS IN INCHES		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20
TOLERANCES EXCEPT WHERE NOTED:		DO NOT SCALE DRAWING			REV B
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		SHEET 12 OF 15			

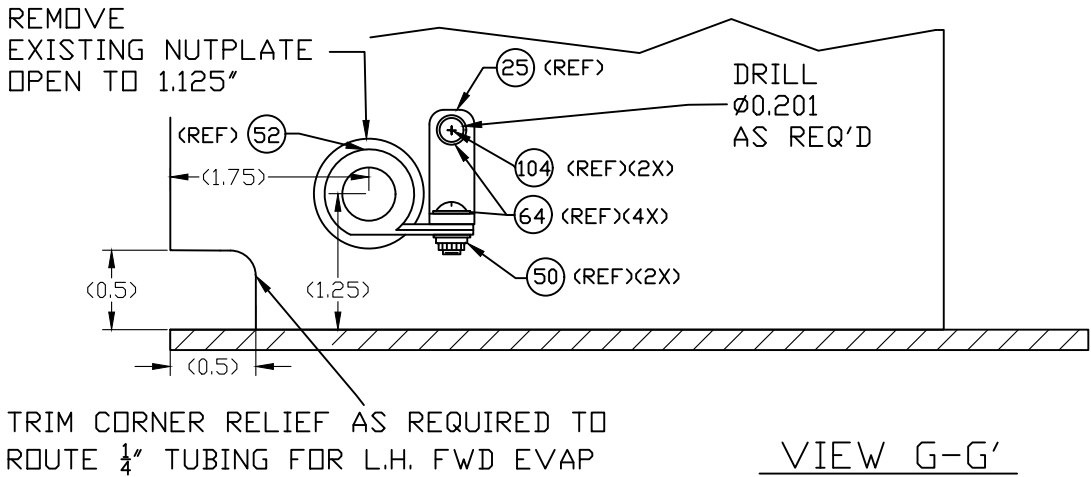
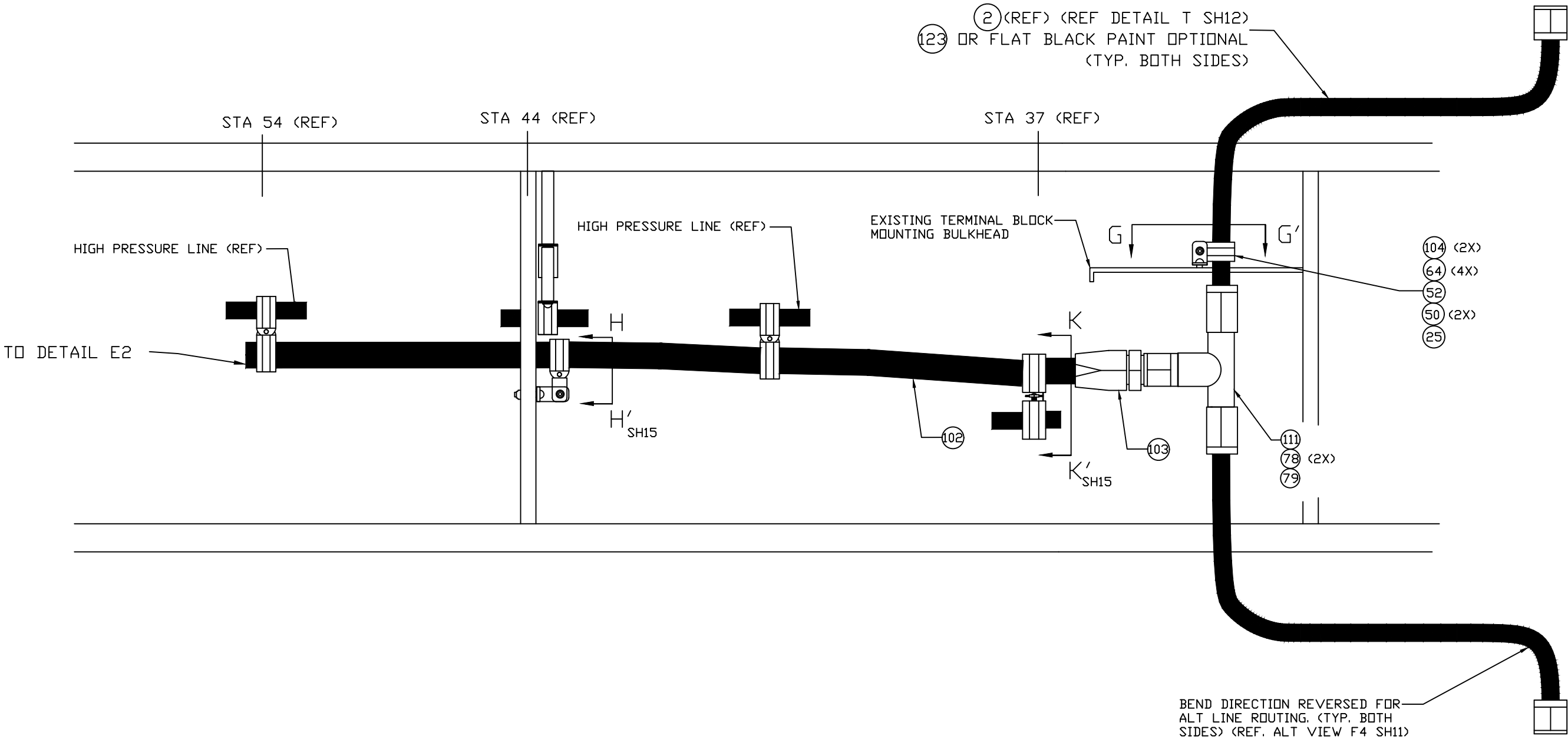


DETAIL E6 SH1
(HIGH PRESSURE LINE ROUTING)
TOP VIEW OF CENTER AND
FORWARD CABIN SEAT BOX

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PROTO
N/C

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DIMENSIONS IN INCHES		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B
TOLERANCES EXCEPT WHERE NOTED:		DO NOT SCALE DRAWING				ECO
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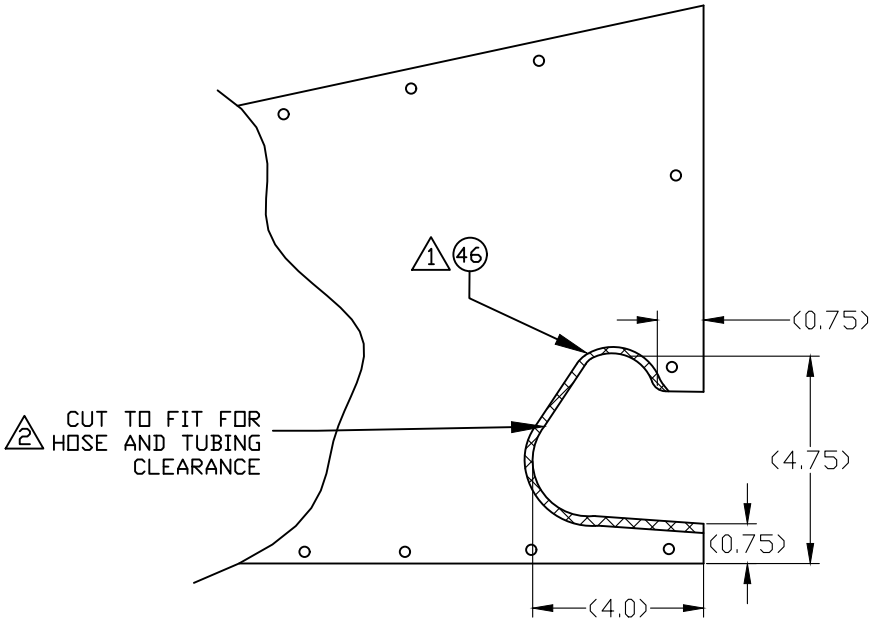
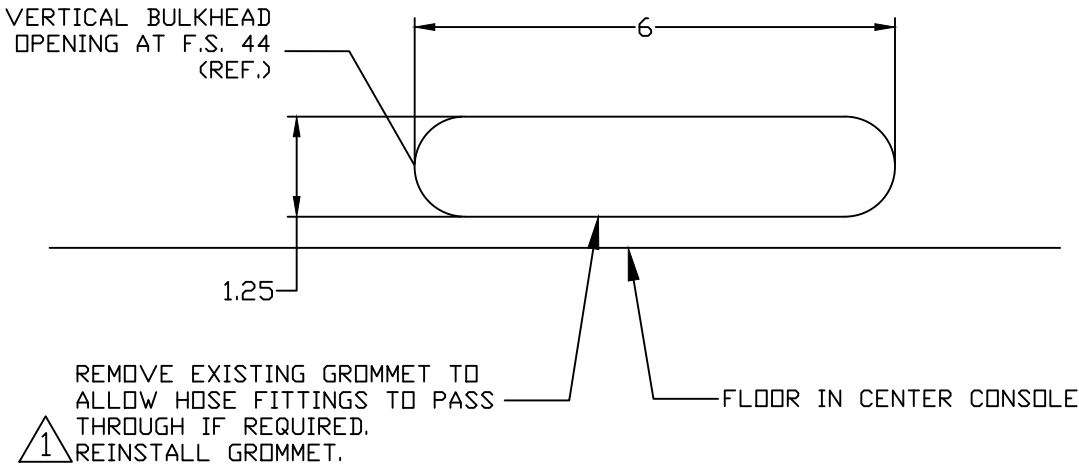
DETAIL E7 SH1
(RETURN LINE ROUTING)
TOP VIEW OF CENTER AND
FORWARD CABIN SEAT BOX

FWD →

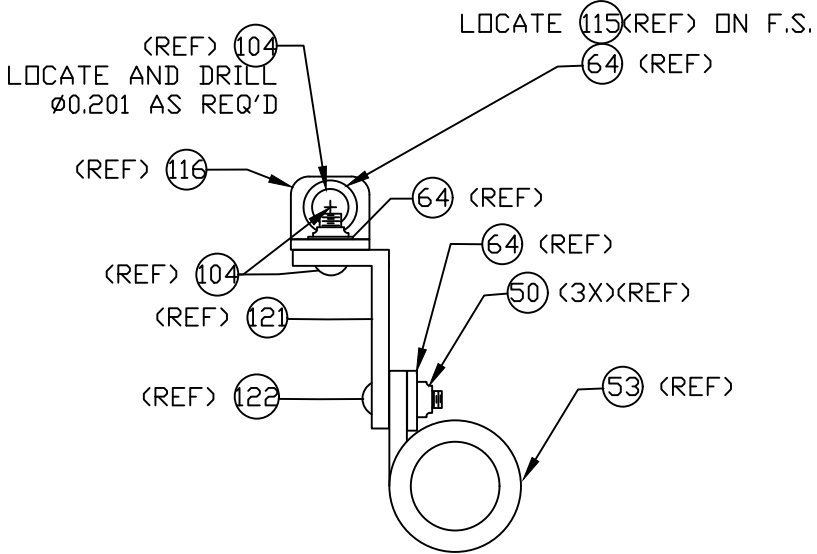
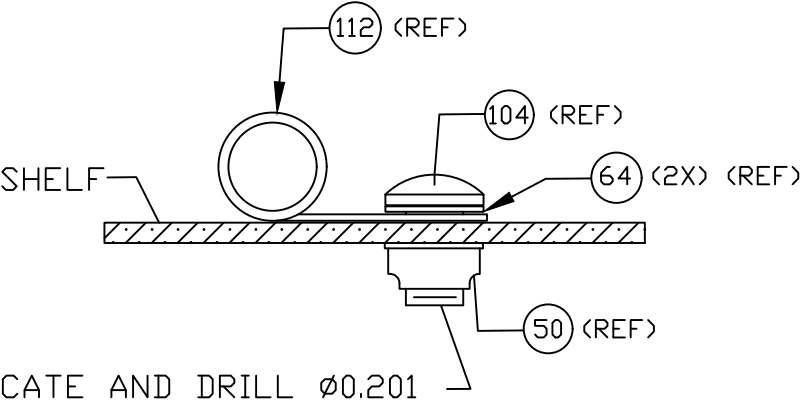
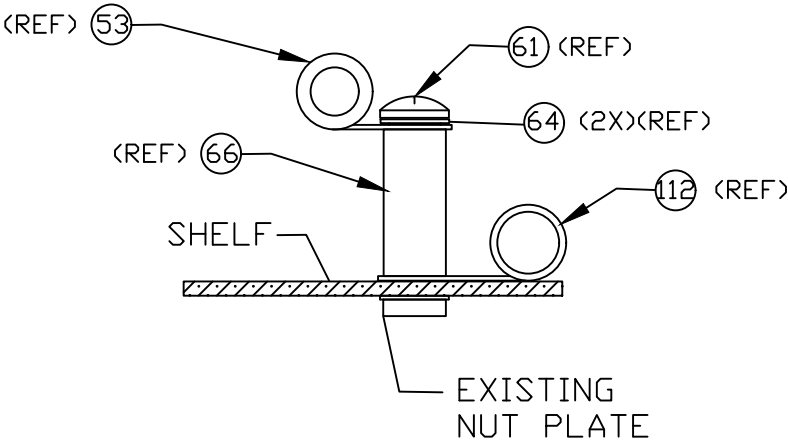
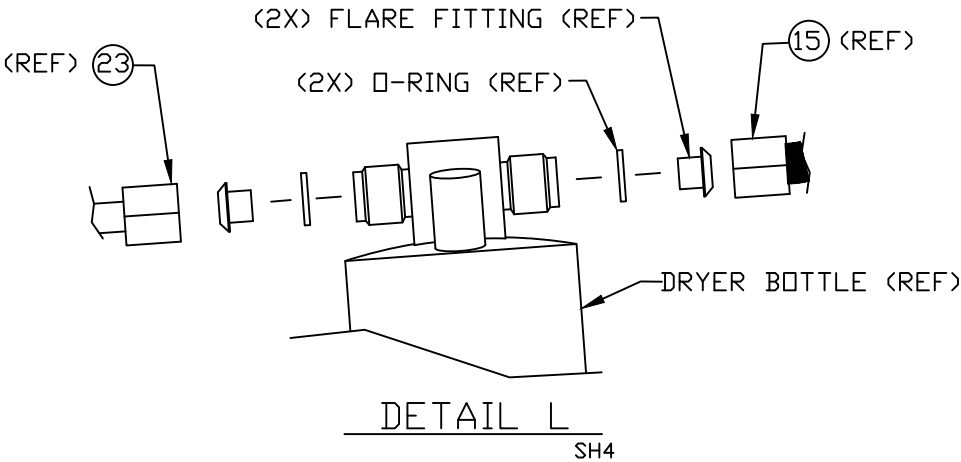
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PROTO
N/C

Paravion® Technology Inc.		TITLE AIR CONDITIONING PLUMBING		DRAWING NO. 407AC-511		
DIMENSIONS IN INCHES		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/19/20	REV B
TOLERANCES EXCEPT WHERE NOTED:		DO NOT SCALE DRAWING				SHEET
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INSPECTION PANEL CUT-OUT
FOR AIRCRAFT S/N 54300 AND
SUBSQ. INSTALL
LEFT SIDE OPPOSITE



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PROTO
N/C

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Bill of Materials

*407AC-511-1, REV. B

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*407AC-511-1, REV. B	PLUMBING INSTALLATION	1	KIT
1	0.250 x .035W 5052-0	1/4 DIAMETER TUBE	3	FT
2	0.375 x .035W 5052-0	3/8 DIAMETER TUBE	20	FT
3	0.500 x .035W 5052-0	1/2 DIAMETER TUBE	9	FT
5	6-4 TRTXN	REDUCER (ALT: 0603-6-4)	2	EA
7	20621-6-6	3/8" FEMALE SWIVEL	2	EA
9	285-6	5/16" HOSE	78	IN
14	407AC-5019-1	TUBE ASSY	1	EA
15	407AC-5019-2	TUBE ASSY	1	EA
16	407AC-5020-1	TUBE ASSY	1	EA
17	407AC-5200-4	HOSE ASSY	1	EA
18	407AC-5200-2	HOSE ASSY	1	EA
23	ES45011-1	ELBOW	1	EA
25	AN743-12	ANGLE	2	EA
27	AN815-6D	UNION (ALT: MS24392D6, AS5174D0606)	2	EA
28	AN815-8D	UNION (ALT: MS24392D8, AS5174D0808)	1	EA
29	AN818-4D	NUT (ALT: AN818-4W, AS5175W04)	4	EA
30	AN818-6D	NUT (ALT: AN818-6W, AS5175W06)	12	EA
31	AN818-8D	NUT (ALT: AN818-8W, , AS5175W08)	10	EA
32	AN819-4D	SLEEVE (ALT: MS20819-4D, AS3220-W04)	4	EA
33	AN819-6D	SLEEVE (ALT: MS20819-6D, AS3220-W06)	12	EA
34	AN819-8D	SLEEVE (ALT: MS20819-8D, AS3220-W08)	10	EA
35	AN821-6D	90 ELBOW (ALT: MS24401D6, AS1034D0606)	1	EA
36	AN821-8D	ELBOW (ALT: MS24401D8, AS1034D0808)	3	EA
38	AN824-6D	TEE (ALT: MS24402D6, AS1035D060606)	2	EA
39	AN832-8D	BULKHEAD FITTING (ALT: MS24393D8, AS5406D08)	2	EA

Bill of Materials

*407AC-511-1, REV. B

ITEM #	P/N	DESCRIPTION	QTY	TYP
40	AN833-6D	BULKHEAD ELBOW (ALT: MS24394D6, AS1038D0606)	1	EA
42	AN924-6D	NUT (ALT: AN924-6W, MS24400-D6, AS5178D06)	1	EA
43	AN924-8D	NUT (ALT: AN924-8W, MS24400-D8, AS5178D08)	2	EA
46	ES00140-3	STRIP GROMMET	18	IN
48	ES43050-3	DRIER BOTTLE (ALT: ES43050-2)	1	EA
49	MS21266-1N	CATAPILLAR GROMMET (ALT: GM-32)	4	IN
50	MS20142L3	NUT	16	EA
52	MS21919WDG10	CLAMP	5	EA
53	MS21919WDG12	CLAMP	1	EA
54	MS21919WDG13	CLAMP	2	EA
55	MS21919WDG16	CLAMP	6	EA
56	MS21919WDG4	CLAMP	2	EA
57	MS21919WDG40	CLAMP	2	EA
58	MS35207-262	SCREW	2	EA
59	MS35207-263	SCREW	2	EA
60	MS35207-264	SCREW	7	EA
61	MS35207-265	SCREW	6	EA
62	MS35207-268	SCREW	2	EA
63	MS35207-267	SCREW	3	EA
64	NAS1149F0332P	WASHER	11	EA
65	NAS1149F0363P	WASHER	20	EA
66	NAS43DD3-16FC	SPACER (ALT: NAS43DD3-16)	5	EA
67	NAS43DD3-23FC	SPACER (ALT: NAS43DD3-23)	2	EA
68	NAS43DD3-32FC	SPACER (ALT: NAS43DD3-32)	1	EA
69	NAS43DD3-40FC	SPACER (ALT: NAS43DD3-40)	2	EA
72	NAS1149F1290P	WASHER	1	EA

Bill of Materials

*407AC-511-1, REV. B

ITEM #	P/N	DESCRIPTION	QTY	TYP
73	NAS1149F0963P	WASHER	2	EA
74	MS3367-1-0	TYRAP (ALT: CT7B)	2	EA
76	SECO-7A4	SECO SEAL, 1/4" ALUMINUM	15	EA
77	SECO-7A6	SECO SEAL, 3/8" ALUMINUM	30	EA
78	SECO-7A8	SECO SEAL, 1/2" ALUMINUM	25	EA
79	SECO-7A10	SECO SEAL, 5/8" ALUMINUM	5	EA
81	ES06022-2	CORK TAPE	50	IN
83	MS21919WDG6	ADEL CLAMP, 3/8" TUBE	7	EA
84	MS21919WDG8	ADEL CLAMP, 1/2" TUBE	2	EA
87	407AC-5510-3	STIFFENER	1	EA
88	407AC-5510-4	STIFFENER	1	EA
89	AN832-10D	BULKHEAD FITTING (ALT: MS24393D10, AS5406D10)	1	EA
90	AN924-10D	NUT (ALT: AN924-10W, MS24400-D10, AS5178D10)	1	EA
97	407AC-5017-4A	TUBE ASSEMBLY	1	EA
98	407AC-5017-5	TUBE ASSEMBLY	1	EA
100	10-8-TRTXN	REDUCER	1	EA
101	23921-8-8	SWIVEL ELBOW, 90 DEG	2	EA
102	285-10	HOSE	78	IN
103	20621-8-8	SWIVEL FITTING	2	EA
104	MS27039-1-08	SCREW	13	EA
106	CB4001G3AA10-750	STANDOFF	4	EA
107	NAS1149DO332J	WASHER	2	EA
108	MS27039-1-18	SCREW	1	EA
109	MS27039-1-7	SCREW	1	EA
110	407AC-5017-6	TUBE ASSEMBLY	1	EA
111	AN824-8D	TEE (ALT: MS24402D8, AS1035D080808)	4	EA

Bill of Materials

*407AC-511-1, REV. B

ITEM #	P/N	DESCRIPTION	QTY	TYP
112	MS21919WDG9	CLAMP	8	EA
113	NAS43DD3-56FC	SPACER (ALT: NAS43DD3-56N)	1	EA
114	MS27039-1-27	SCREW	2	EA
115	AN970-3	WASHER	1	EA
116	MS9596-014	STANDOFF	1	EA
119	NAS43DD3-88FC	SPACER (ALT: NAS43DD3-88N)	1	EA
120	80-004-2-8	INSERT	1	EA
121	MS9596-008	STANDOFF	1	EA
122	MS27039-1-10	SCREW	1	EA
123	18050	FIRESLLEEVE	4	FT
124	80-004-2-10	INSERT	1	EA